

ELECTRONIC TUBE REFERENCE

A1769GJ

Specialized - Cathode Ray electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
CATHODERAY

Seventeen-centimeter rectangular aluminized P4 picture tube for industrial television, using a tetrode electron gun with Einzel electrostatic focusing and approximately 70-degree magnetic deflection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	6.3 V / 360 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Cathode Ray
No fixed ratings recorded.
CRT section. Maximum ratings, operating conditions, capacitances, optical and mechanical values are preserved as parameters where published.

17 cm rectangular picture tube, aluminized Electron Gun Tetrode with Einzel- screen, for industrial television Lens Deflection Method Magnetic Deflection Angles Diagonal 70° Screen Phosphor P4 Alu-

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1976 ITT Picture Tubes

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1976 ITT PICTURE TUBES

Section 1 · Cathode Ray

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Published value	17 cm	—
Neck Diameter	365 mm	—
Minimum Useful 96 %	126 mm	—
Dimensions Diagonal	1556 mm	—
Overall Length 256 *	10 mm	—
1. Generalities Weight	7 kg	—
A 17-63BE Blue Medium Short 10=...	103 s	—
A 17-69 GM Purplish-Blue . Long B 16t...	1 s	—
A 17--69LF Orange Long	107–1 s	—
2. Typical Operating Conditions Ri/k max @)	1 MQ	—
U; ®	63 V	—
U; ® 63V Ziik max @ (2)	1 MQ	—
i	3 %	—
i 03% (2)	6 %	—
i 03%6%A U-tkm1 @ @ (3)	410 V	—
Published value	14 kV	—
14 kV U_thkmax2 @ @ (2)	0 V	—
Ug 300	400 V	—
Ug 300 400V U_th p max (2)	300 V	—
Ut ® 0...400	0–400 V	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _t @ 0...400 0...400V U _{ik} max (2)	185 V	—
(-U _{g1}) cutoi @ 35...75	28–102 V	—
e R _{g1} min_ e	150 ohm	—
U _g sa imin &	12 kV	—

CIRCUITDESIGNRATINGS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U ₉₂ max	460 V	—
U _{g2} min i	200 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
{-U _{q1}) b max	400 V	—
{-U _{q1}) b max 400 V C _{gl} _approx. (2)	7 pF	—
P _{lm} max	10 mW/cm	—
P _{lm} max 10 mW/cm? C _k approx. (2)	5 pF	—
R _l max	1 MΩ	—
R _l max 1,0 MΩ Ciifatelu ik (2)	400 pF	—
Published value	0.5 MΩ	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker